

**IN THE CLAIMS:**

1    1 – 28 (Cancelled).

1    29.    (Previously Presented) A method for operating a data storage network, compris-  
2    ing:

3            executing a configuration verification computer program;

4            checking, by the configuration verification computer program, versions of a se-  
5    lected component of a plurality of components installed in the data storage network;

6            checking, by the configuration verification computer program, configuration set-  
7    tings of the selected component of the plurality of components of the data storage net-  
8    work;

9            determining, in response to the configuration settings, if there are any misconfigu-  
10   ration settings; and

11           sending, in response to determining that there are no misconfiguration settings, a  
12   directed packet through a potential data path to ensure that a component of the storage  
13   network is operational.

1    30.    (Previously Presented) The method as in claim 29, further comprising:

2            presenting, in response to determining that there are misconfiguration settings, a  
3    report to a user identifying a set of warnings and errors with the configuration settings.

1    31.    (Previously Presented) The method of claim 30 further comprising:

2            including a return code in the report.

1    32.    (Previously Presented) The method of claim 30, further comprising:

2            presenting in the report a graphical representation of a configuration of an envi-  
3    ronment of the storage network.

- 1 33. (Previously Presented) The method of claim 32, further comprising:  
2 presenting in the graphical representation a version and current configuration of  
3 each component of the storage environment.
- 1 34. (Previously Presented) The method of claim 30 further comprising:  
2 correcting automatically any of the set of warnings and errors.
- 1 35. (Previously Presented) The method of claim 30 further comprising:  
2 passing the set of warnings and errors to an expert system.
- 1 36. (Previously Presented) The method of claim 29, further comprising:  
2 entering a command by a user to execute the configuration verification computer  
3 program.
- 1 37. (Previously Presented) The method of claim 29, further comprising:  
2 initiating the configuration verification program by an administrator.
- 1 38. (Previously Presented) The method of claim 29, further comprising:  
2 configuring one or more storage systems as a component of the plurality of com-  
3 ponents.
- 1 39. (Previously Presented) The method of claim 29, further comprising:  
2 configuring one or more clients as a component of the plurality of components.
- 1 40. (Previously Presented) The method of claim 29, further comprising:  
2 configuring one or more network switches as a component of the plurality of  
3 components.

1 41. (Previously Presented) The method of claim 29, further comprising:  
2 configuring one or more interconnecting cables as a component of the plurality of  
3 components.

1 42. (Previously Presented) The method of claim 29, further comprising:  
2 accessing each of a storage system of the data storage network by the configura-  
3 tion verification program to determine a version of a storage operating system executing  
4 on the storage system.

1 43. (Previously Presented) The method of claim 42 further comprising:  
2 sending a remote application program interface command to the storage system to  
3 access the storage system.

1 44. (Previously Presented) The method of claim 42 further comprising:  
2 repeating selecting the selected component until all components of the data stor-  
3 age network are checked by the configuration verification computer program.

1 45. (Currently Amended) A data storage computer network, comprising:  
2 a configuration verification computer program executed by a processor;  
3 the configuration verification computer program to check versions of a selected  
4 component of a plurality of components installed in the data storage computer network;  
5 the configuration verification computer program to check configuration settings  
6 of the selected component of the plurality of components of the data storage computer  
7 network;  
8 a the processor to determine, in response to the configuration settings, if there are  
9 any misconfiguration settings; and  
10 a port to send, in response to determining that there are no misconfiguration set-  
11 tings, a directed packet through a potential data path to ensure that a component of the  
12 storage system is operational.

- 1 46. (Previously Presented) The data storage network as in claim 45, further compris-  
2 ing:  
3 a report to present, in response to determining that there are misconfiguration set-  
4 tings, to a user identifying a set of warnings and errors with the configuration settings.
- 1 47. (Previously Presented) The data storage network of claim 46 further comprising:  
2 a return code included in the report.
- 1 48. (Previously Presented) The data storage network of claim 46, further comprising:  
2 the report presenting a graphical representation of a configuration of an environ-  
3 ment of the storage network.
- 1 49. (Previously Presented) The data storage network of claim 48, further comprising:  
2 the graphical representation presenting a version and current configuration of each  
3 component of the storage environment.
- 1 50. (Previously Presented) The data storage network of claim 46 further comprising:  
2 a processor to correct automatically any of the set of warnings and errors.
- 1 51. (Previously Presented) The data storage network of claim 46 further comprising:  
2 a processor to pass the set of warnings and errors to an expert system.
- 1 52. (Previously Presented) The data storage network of claim 45, further comprising:  
2 a command entered by a user to execute the configuration verification computer  
3 program.
- 1 53. (Previously Presented) The data storage network of claim 45, further comprising:  
2 a command for an administrator to initiate the configuration verification program.

- 1 54. (Previously Presented) The data storage network of claim 45, further comprising:  
2 one or more storage systems configured as a component of the plurality of com-  
3 ponents.
- 1 55. (Previously Presented) The data storage network of claim 45, further comprising:  
2 one or more clients configured as a component of the plurality of components.
- 1 56. (Previously Presented) The data storage network of claim 45, further comprising:  
2 one or more network switches configured as a component of the plurality of com-  
3 ponents.
- 1 57. (Previously Presented) The data storage network of claim 45, further comprising:  
2 one or more interconnecting cables configured as a component of the plurality of  
3 components.
- 1 58. (Previously Presented) The data storage network of claim 45, further comprising:  
2 a command to access each of a storage system of the data storage network by the  
3 configuration verification program to determine a version of a storage operating system  
4 executing on the storage system.
- 1 59. (Previously Presented) The data storage network of claim 58 further comprising:  
2 a remote application program interface command sent as the command to the  
3 storage system to access the storage system.
- 1 60. (Previously Presented) The data storage network of claim 45 further comprising:  
2 a processor to repeatedly select the selected component until all components of  
3 the data storage network are checked by configuration verification computer program.

1 61. (Previously Presented) A computer readable media, comprising:  
2 said computer readable media containing instructions for execution on a processor  
3 for a method of operating a data storage network, the method having the steps of:  
4 executing a configuration verification computer program;  
5 checking, by the configuration verification computer program, versions of a se-  
6 lected component of a plurality of components installed in the data storage network;  
7 checking, by the configuration verification computer program, configuration set-  
8 tings of the selected component of the plurality of components of the data storage net-  
9 work;  
10 determining, in response to the configuration settings, if there are any misconfigu-  
11 ration settings; and  
12 sending, in response to determining that there are no misconfiguration settings, a  
13 directed packet through a potential data path to ensure that a component of the storage  
14 network is operational.

1 62. (Cancelled).

1 63. (Previously Presented) A computer, comprising:  
2 a configuration verification computer program;  
3 the configuration verification computer program to check versions of a selected  
4 component of a plurality of components installed in the data storage computer network;  
5 the configuration verification computer program to check configuration settings  
6 of the selected component of the plurality of components of the data storage computer  
7 network;  
8 a processor to determine, in response to the configuration settings, if there are any  
9 misconfiguration settings; and

10           a port to send, in response to determining that there are no misconfiguration set-  
11   tings, a directed packet through a potential data path to ensure that a component of the  
12   storage system is operational.

1   64.   (Currently Amended) A computer readable media executed by a processor, com-  
2   prising:  
3           executing a configuration verification computer program;  
4           checking, by the configuration verification computer program, versions of a se-  
5   lected component of a plurality of components installed in the data storage network;  
6           checking, by the configuration verification computer program, configuration set-  
7   tings of the selected component of the plurality of components of the data storage net-  
8   work;  
9           determining, in response to the configuration settings, if there are any misconfigu-  
10   ration settings; and  
11           sending, in response to determining that there are no misconfiguration settings, a  
12   directed packet through a potential data path to ensure that a component of the storage  
13   network is operational.